EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	(("5971958") or ("7449011") or ("3736934") or ("1059631") or ("6245052") or ("5320611") or ("7001333")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/21 12:30
L2	26	("1059631").URPN.	USPAT	OR	OFF	2010/05/21 12:34
L3	0	("7449011").URPN.	USPAT	OR	OFF	2010/05/21 12:35
L4	1082	((604/164.01) or (128/856) or (600/202,208)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/21 12:36
L5	19	l4 and (obturator access) with (threads threaded)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/21 12:36
L6	3104	"411"/$.ccls. and threaded with (opening aperture)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/21 12:47
L7	839	l6 and expand$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/21 12:47
L8	25	l7 and ((threads threaded) with external with (tube tubular))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/21 12:48
S1	1969	(606/191,198).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 11:50
S2	52	S1 and (trocar same (expand expandable))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:30
S3	10	S2 and (braid braided)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 11:54

S4	257	"1213001" | "1248492"	US-PGPUB;	OR	OFF	2007/03/09
		"2548602" | "3509883"	USPAT; EPO;			12:47
		"3545443" | "3742958"	JPO; DERWENT			
		"3788318" | "3789852"				
		"3902492" | "3952748"				
		"4018230" | "4141364"				
		"4411655" | "4447237"				
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		"4753636" | "4762128"				
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		"5961499" | "5971960"				
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		"6095967" | "6146400"				
		"6162236" | "6210376"				

		"6235020" | "6245052" "6283950" | "6293909" "6306124" | "6325789" "6325812").PN. | "0668879").PN.				
S5	36	S2 and (thread threaded)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:30
S6	36	S5 and (expand expandable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:30
S7	377	(trocar with (expandable expanding expand))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:48
S8	30	S7 and (thread thread) same trocar	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:48
S9	68	S7 and (thread threaded) same trocar	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:51
S10	41	(richard near gresham). in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:52
S11	40	(thomas near wenchell). in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:55
S12	11	(robert near desantis).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:58
S13	299	S1 and ((expand expanding expandable) with sheath)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:59
S14	121	S13 and (thread threaded)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 13:03
S15	59	S7 and (braid braided)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/09 13:03
S16	2	("20040172041").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/12 12:30
S17	5	(("6080174") or ("6162236")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/19 14:39

S18	45	("0668879" | "1213001" "1248492" | "2548602" "3545443" | "3742958" "3789852" | "3902492" "4018230" | "4141364" "4411655" | "4479497" "4581025" | "4589868" "4601713" | "4716901" "4738666" | "4739762" "4772266" | "4798193" "4846791" | "4865593" "4869717" | "4888000" "4896669" | "4899729" "4921479" | "4955895" "4972827" | "4986830" "5112304" | "5116318" "5122122" | "5139511" "5183464" | "5201756" "5222971" | "5234425" "5250025" | "5460170").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 12:54
S19	14	S18 and (thread threaded)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 12:55
S20	18	("6080174").URPN.	USPAT	OR	OFF	2008/02/21 12:58
S21	11	S20 and (thread threaded)	USPAT	OR	OFF	2008/02/21 13:01
S22	42	("1527291" | "4808168" "4869717" | "5098388" "5114407" | "5137509" "5139485" | "5183464" "5256148" | "5284474" "5290276" | "5300084" "5312351" | "5320608" "5383859" | "5389077" "5421821" | "5423760" "5423770" | "5431676" "5437643" | "5454790" "5562611" | "5669883" "5695462" | "5713874" "5746720" | "5810776" "5814058" | "5827319" "5857999" | "6080174" "6156006" | "6193692" "6245052" | "6293952" "6325812" | "6447527" "6494893" | "6589225" "6656160").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:16

S23	67	("0668879" | "1213001" | "1248492" | "2548602" | "3509883" | "3742958" | "3789852" | "3902492" | "4018230" | "4141364" | "4411655" | "4447237" | "4479497" | "4581025" | "4589868" | "4601713" | "4610688" | "4650466" | "4716901" | "4738666" | "4739762" | "4772266" | "4789193" | "4846791" | "4865593" | "4869717" | "4888000" | "4896669" | "4899729" | "4921479" | "4954126" | "4955895" | "4972827" | "4986830" | "5078736" | "5100388" | "5112304" | "5116318" | "5122122" | "5139511" | "5158545" | "5183464" | "5188602" | "5201756" | "5222938" | "5222971" | "5234425" | "5250025" | "5250033" | "5275611" | "5312360" | "5316360" | "5320611" | "5392766" | "5407430" | "5431676" | "5433708" | "5454790" | "5460170" | "5540658" | "5542928" | "6080174").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:22
S24	21	S23 and (thread threaded)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:23
S25	4895	dilat$5 near (catheter sheath)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:25
S26	2247	"606"/$.ccls. and (dilat$5 near (catheter sheath))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:26
S27	157	S26 and trocar	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:26
S28	109	S27 and (thread threaded)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:26
S29	2378	"604"/$.ccls. and (dilat$5 near (catheter sheath))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:26
S30	143	S29 and trocar	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:27
S31	116	S30 and (thread threaded)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:27

S32	11	("3789852" | "4000739" | "5127627" | "5201756" | "5221264" | "5256150" | "5312360" | "5318588" | "5330437" | "5397335" | "5411483").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/21 13:37
S33	6	("5827227").URPN.	USPAT	OR	OFF	2008/02/21 13:40
S34	2167	(606/191,198).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/08/19 14:36
S35	751	S34 and access	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/08/19 14:36
S36	134	S35 and dilation and expansion	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/08/19 14:37
S37	2853	(trocar cannula) and obturator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/19 12:02
S38	287	S37 and (trocar cannula) with (threaded helix helical)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/19 12:03
S39	2	("5911714").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/19 12:11
S40	2	("6767355").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/19 12:41
S41	0	(5/911714).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/28 10:45
S42	2	("5911714").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/28 10:45
S43	8	(dry adj wall) with (screw fastener) with expand$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 14:42
S44	2053	trocar and obturator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 14:43
S45	192	S44 and trocar with expand$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 14:44
S46	1	threaded near (expander obturator) with (sheath trocar)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:00

S47	22	threaded near6 (expander obturator) with (sheath trocar)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:00
S48	955	threaded near6 (expander obturator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:04
S49	38	S48 and expand$5 with sheath	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:04
S50	2	("5836913").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:10
S51	13	("3915171" | "4496345" "4617933" | "5002557" "5041093" | "5176697" "5188602" | "5209754" "5267970" | "5344439" "5421832" | "5454790" "5540658").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/20 15:13
S52	2	("7449011").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:20
S53	123	("0668879" | "1213001" "1248492" | "2548602" "3509883" | "3545443" "3742958" | "3788318" "3789852" | "3902492" "4018230" | "4141364" "4411655" | "4447237" "4479497" | "4581025" "4589868" | "4601713" "4610688" | "4650466" "4710181" | "4716901" "4738666" | "4739762" "4753636" | "4762128" "4772266" | "4798193" "4846791" | "4865593" "4869717" | "4888000" "4896669" | "4899729" "4921479" | "4941874" "4954126" | "4955895" "4972827" | "4986830" "5021241" | "5045056" "5078736" | "5100388" "5104382" | "5112304" "5116318" | "5122122" "5139511" | "5158545" "5183464" | "5188602" "5201756" | "5222938" "5222971" | "5234425" "5246424" | "5250025" "5250033" | "5275611"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/20 15:32

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S54	63	threaded near6 (expander obturator) and (sheath cannula lumen) with expand$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:55

EAST Search History (Interference)

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5/21/10 1:30:38 PM
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sheath introduction apparatus and method.wsp